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COLOR IDENTIFIER

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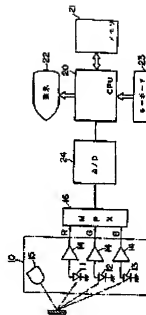
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Abstract of JP63145928

PURPOSE: To eliminate the need for inputting an allowable discrimination value by an operator, by storing the allowable discrimination value for the formulation of a discrimination reference into a memory beforehand, instead of requiring an operator to input it at each teaching.

CONSTITUTION: Lights different in color detected with light receiving elements 11-13 are outputted as color signal components R, G and B from a color sensor 10 via an amplification circuit 14, switched sequentially with a multiplexer 16 and stored into a memory 21 after being taken into a CPU 20 via an A/D converter 24. Then, the total value of the color signal components is computed with the CPU 20 and stored into the memory 21.

Subsequently, allowable discrimination values are read out corresponding to the color component signals and the total value at levels of the signals to calculate upper and lower discrimination values. From the results of the calculation, upper and lower limit values are stored into the memory 21 in the form of a table as discrimination reference for color samples. This eliminates the need for inputting required data by an operator at each teaching which repares a reference to discriminate color of an object to be identified thereby reducing working time.



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